

CMS/IVHS USER SERVICE PHASE, COST AND PROJECT AVAILABLE FUNDS BY PROGRAM

SHORT RANGE PROGRAM		USER SERVICE PROJECT COST*	FUNDS AVAILABLE FOR PROGRAMMING	FUNDING SOURCE
USER SERVICE PROJECT	USER SERVICE PROJECT PHASE	*Includes three years operation/maintenance.		
Motorist Assistance Patrols	Equipment purchase/supplies/contract operation for three years.	\$3,234,080.00	\$3,234,080.00	STP/CMAQ
Push Bumpers	Equipment/installation and maintenance for 3 yrs.	\$173,400.00	\$173,400.00	STP/CMAQ
Wrecker Contracts	Consultant Services and contract services • Consultant \$50,000.00 • Contract • Operation \$54,000.00 X 3 years = \$162,000.00	\$212,000.00	\$212,000.00	STPKMAQ
Cellular Phone/CB Monitoring	Equipment with three years maintenance/operation.	\$241,200.00	\$241,200.00	STPICMAQ
Traffic Control Plans/Diversion/Routing	Equipment / Three years operation / consultant services - \$50,000.00	\$1,200,200.00	\$1,200,200.00	STPICMAQ
Incident Clearance/Clean-up/Training/Media Access	Equipment/Supplies/Operation for three years/ Consultant Services \$150,000	\$1,594,540.00	\$1,594,540.00	STP/CMAQ
Driver training and education	Develop program and campaign/ Consultant Services \$300,000	\$441,000.00	\$441,000.00	STPKMAQ
Accident Investigation sites (planning and design).	Planning and Preliminary engineering consultant services	\$200,000.00	\$200,000.00	STP/CMAQ
Motorist Information/public service announcement/motorist services, ATIS study plan.	Equipment/Supplies/Operation for three years consultant services \$150,000.00	\$714,600.00	\$714,600.00	STP/CMAQ
0. Route Planning/Roadway Milepost System/ Special Events Planning and Operations/ Freeway Management System Study Plan.	Program Development Equipment and Supplies for three years/Consultant Services - \$100,000.00	\$715,400.00	\$715,400.00	STPKMAQ
1. Major Incident Emergency Response.	Equipment/Supplies and three years operation.	\$3,552,600.00	\$3,552,600.00	STP/CMAQ
2. Minor Incident Emergency Response.	Equipment / Supplies and Operation for three years / Consultant Services - \$100,000.00	\$1,496,000.00	\$1,496,000.00	STPICMAQ
3. Park and Ride Lot Planning / Design / Construction	Planning P.E. = \$300,000.00 Construction - 10 Lots \$270,000.00 = \$2,700,000.00 Security/Surveillance. \$200,000.00, Maintenance - \$200,000.00 per year.	\$4,200,000.00	\$4,200,000.00	STPICMAQ
4. Ridesharing	Equipment/Computers/Signs = \$40,000 Consultant Services = \$50,000.00 Personnel = \$95,000.00 X 3 years = \$285,000.00 Supplies \$5,000.00 X 3 years = \$15,000.00 Maintenance=\$2,000 x 3 years = \$6,000	\$394,000.00	\$394,000.00 (Programmed in	STPICMAQ
5. Van Pooling	52 Vans @\$20,000.00 = \$1,040,000.00 Consultant Services = \$50,000.00 Annual Cost- \$238,000 x 3 = \$714,000	\$1,604,000.00	\$1,804,000.00 (Program Med in TIP FY 94-98)	STP

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16. Transit Initiatives - *Alternative Fuels *Transit Route Planning	Fuel Conversion-55 Vehicles @ \$95,000= \$5,225,000 Consultant Services- \$250,000 Maintenance- \$100,000 x 3 years = \$300,000	\$5,775,000.00	\$5,775,000.00	STP/CMAQ
17. Commercial Vehicle Initiatives • Truck Operating Policies • Lane Restrictions • Truck Routing Policies	Consultant Services = \$150,000.00	\$150,000.00	\$150,000.00	CMAQ
18. Innovative Traffic Control • TCP's in Construction Zones • Freeway Management Teams • Arterial Management Teams • Traffic Signal Retimings/ • Maintenance/Installation Policies • Median cut/Driveway policies	Consultant Services = \$150,000.00 Equipment/Vehicles/Devices = \$360,000.00 Personnel - \$451,200.00 X 3 = \$1,353,600.00 Maintenance = \$153,180.00 Supplies - \$150,000.00 X 3 = \$450,000.00	\$2,466,780.00	\$2,466,780.00	STP/CMAQ
19. Planning Initiatives • Bicycle/Pedestrian Planning/Signing/Bikeway Constr. • HOV Lane/Bus Priority Lane Feasibility Analysis & • Rapid Rail Transit Feasibility Analysis and Study • Midtown Parking/City Center Circulation Study	Consultant Services - Bike/Ped. = \$300,000.00 HOV Lane = \$200,000.00 Rail Study = \$100,000.00 Parking Study = \$30,000.00 Circulation Study = \$150,000.00 Bikeway Construction = \$2,040,000.00	\$3,045,000.00	\$3,045,000.00 Partially Programmed In TIP	STP/CMAQ
20. Arterial Traffic Signal Systems - • Closed Loop Systems • Signal System Eng. & Retiming Enhancements • ATMS Study Plan	Proposed Closed Loop Signal Systems - State - \$3,660,000.00 Birmingham - \$1,755,000.00 Existing System Upgrades, Retiming and enhancements CBD System - \$3,000,000.00 Arterials - \$5,000,000.00 Consultant Services ATMS - \$300,000.00 Signal Operations - > \$100,000.00 Annual Cost - \$2,154,150 x 3 years	\$19,125,400.00	\$19,125,400.00 Partially Programmed	STP/CMAQ
1. Interchange/Interaction Improvements (Topics Type) • Safety Lighting Improvements	PE - \$1,100,000.00 ROW - \$760,000.00	\$1,860,000.00	\$1,860,000.00 (Programmed In TIP- FY 94-98)	STP/HNS/CMAQ
Total Cost		\$52,595,200.00	\$52,595,200.00	with Corridor X

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MEDIUM RANGE PROGRAM		USER SERVICE PROJECT COST* *Includes three years operation/maintenance	FUNDS AVAILABLE FOR PROGRAMMING	FUNDING SOURCE
USER SERVICE PROJECT	USER SERVICE PROJECT PHASE			
1. Freeway Management and ATIS Implementation • Traffic Surveillance and Communications • Motorist Interface with HAR, VMS, CMS, CB Monitoring, CCTV, Cellular Phone, Call Boxes • Vehicle Detection	Design, Construction, Maintenance Consultant Services \$200,000	\$13,915,520.00	\$13,915,520.00	STP/CMAQ
2. Communications Center Including Communications for: • Automated Media Access • Automated Construction Information (w/TOC) • Automated Transit/Highway Info. (w/TROC & TOC)	Design and Construction - \$4,200,000.00 Annual Cost - \$647,600.00 Design, Construction, Maintenance, Personnel Surveillance/Security, Misc. \$155,800	\$5,003,400.00	\$5,003,400.00	STP/CMAQ
3. Park and Ride Lots	Construction, Maintenance, Surveillance, Security	\$6,750,000.00	\$6,750,000.00 (Programmed in TIP)	STP/CMAQ
4. Transit Vehicle Bus Replacement, Express Bus Service/Headway Reduction, Maintenance and Operations, Automatic Vehicle Tracking/Locator	Equipment/ Capitol - \$35,070,000.00 Annual Cost - \$14,854,000.00	\$49,924,000.00	\$49,924,000.00 (Programmed in TIP)	STP/CMAQ
5. Commercial Vehicle Initiatives - • Automatic Payment/WIM • Automated Vehicle Tracking/Delivery Program and Policies	Consultant Services - \$150,000.00 Equipment - \$10,000,000.00 Annual Cost - \$2,000,000.00	\$12,150,000.00	\$12,150,000.00	STP/CMAQ
6. Traffic Operations Center (TOC) Including: • ATMS • Communications • Traffic Surveillance • Traffic Detection and Control • Motorist Information • Parking Control and Information • Freeway Management • ATIS • Automated Media Access • Automated Construction/Traffic Information Connect with TROC and Comm. Center	Communications, Equipment, Building, Personnel, Maintenance, Computers - \$14,414,000.00 Annual Cost - \$2,359,330.00	\$16,773,334.00	\$16,773,334.00	STP/CMAQ
7. Transit Operations Center (TROC) Including: • Communications • Automated Transit Information • 2-Way Radio • Automated Media Access • Automated Motorist Information • Connect with TOC and Comm. Center • Automated Bus Tracking/Locator	Equipment, Communications, Computers, Building, Maintenance, Personnel - \$3,220,000.00 Annual Cost - \$754,000.00	\$3,974,000.00	\$3,974,000.00	STP/CMAQ

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8. Intersection/Interchange Improvements	CN - \$14,142,000.00	\$44,152,000.00	\$44,152,000.00 (Programmed in TIP)	STP
9. Accident Investigation Sites	CN - \$4,000,000.00 Annual Cost - \$400,000.00	\$4,400,000.00	\$4,400,000.00	STP/CMAQ
Total Cost		\$157,042,254.00	\$157,042,254.00	

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LONG RANGE PROGRAM		USER SERVICE PROJECT COST*	FUNDS AVAILABLE FOR PROGRAMMING	FUNDING SOURCE
USER SERVICE PROJECT	USER SERVICE PROJECT PHASE	*Includes three years operation/maintenance.		
1. Park and Ride Lots	CN - \$7,200,000.00 Maintenance/Security - Personnel - \$1,050,000.00	\$8,250,000.00	\$8,250,000.00 (Programmed in TIP)	STP/CMAQ
2. Express Bus Service/Headway Reduction	Equipment, Capital - \$18,375,000.00 Annual Cost - \$3,675,000.00	\$22,050,000.00	\$22,050,000.00 (Programmed in TIP)	STP/CMAQ
3. HOV Lane, Bus Priority Lane	PE - \$1,000,000.00 ROW - \$4,000,000.00 CN - \$30,500,000.00, Annual Cost - \$82,400	\$35,582,400.00	\$35,582,400.00 (Programmed in TIP)	STP/CMAQ
Total Cost		\$65,882,400.00	\$65,882,400.00	